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U.S. APPLICATION NUMBER NO	FIRST NAMED APPLICANT	ATTY. DOCKET NO
09/786,480	Andrew Goldsbrough	11951.0005.PCUS00;
INTERNATIONAL APPLICATION NO		
PCT/GB99/03011		
IA FILING DATE	PRIORITY DATE	
09/09/1999	09/10/1998	

Patricia A Kammerer
 Howrey Simon Arnold & White
 750 Bering Drive
 Houston, TX 77057

CONFIRMATION NO. 8719

371 FORMALITIES LETTER



OC000000008209510

Date Mailed: 06/03/2002

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fee
- Priority Document
- Biochemical Sequence Diskette
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Information Disclosure Statements
- Oath or Declaration
- Preliminary Amendments

REC'D HOWREY SIMON ARNOLD & WHITE

JUN 11 2002

HOUSTON DOCKETING DEPT.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

■ APPLICANT MUST PROVIDE:

- An initial or substitute computer readable form (CRF) of the "Sequence Listing."
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
 - For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 306-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov
 - The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

TAMALA D HOLLAND

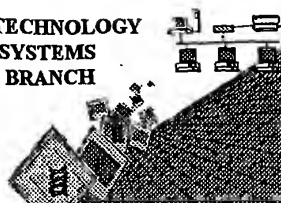
Telephone: (703) 305-5483

PART 1 - ATTORNEY/APPLICANT COPY

U S APPLICATION NUMBER NO	INTERNATIONAL APPLICATION NO	ATTY DOCKET NO
09/786,480	PCT/GB99/03011	11951.0005.PCUS00;

FORM PCT/DO/EO/916 (371 Formalities Notice)

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/786,480A
Source: PCR/09
Date Processed by STIC: 5/14/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



PCT09

RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/786,480A

TIME: 15:38:17

Input Set : A:\MSIB005.ST25.txt

Does Not Comply

Output Set: N:\CRF3\05142002\I786480A.raw

Corrected Diskette Needed

see p. 6

3 <110> APPLICANT: Goldsbrough, Andrew
 4 Colliver, Steve
 6 <120> TITLE OF INVENTION: Improvements in or Relating to Plant Starch Composition
 8 <130> FILE REFERENCE: 11951.0005.PCUS00 MSIB:005
 10 <140> CURRENT APPLICATION NUMBER: 09/786,480A
 11 <141> CURRENT FILING DATE: 2001-06-13
 13 <150> PRIOR APPLICATION NUMBER: PCT/GB99/03011
 14 <151> PRIOR FILING DATE: 1999-09-09
 16 <150> PRIOR APPLICATION NUMBER: EP 98307337.0
 17 <151> PRIOR FILING DATE: 1998-09-10
 19 <160> NUMBER OF SEQ ID NOS: 55
 21 <170> SOFTWARE: PatentIn version 3.0
 23 <210> SEQ ID NO: 1
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 39 gagaatggat actccatctg ggataaagga ttcaattcct gcttgatca agtactccgt 180
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RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/786,480A

TIME: 15:38:17

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Output Set: N:\CRF3\05142002\I786480A.raw

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83 atttcttagg tatcatggta tgcagcagtt tgatcaggcg atgcagcatc ttgaggaaaa 1500
85 atatggcttt atgacatcag accaccagta cgtatctcgg aaacatgagg aagataaggt 1560
87 gatcgtgttt gaaaaagggg acttggtatt tgtgttcaac ttccactgga gtaatagcta 1620
89 ttctgactac cgggttggct gtttaaagcc tgggaagtac aaggttgtct tagactcaga 1680
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93 ctgccaacat gacaacaggc cccattcgtt ctcagtgtac actcctagca gaacctgtgt 1800
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-> 101 tcccaggggcg ttgtggagaa aaaatgctca tctgtgttat tttatggatc agggangaaa 2040
-> 103 cctcccccac anaccctttt tttttttgaa agnmggatag gccccggtn tctgcatntg 2100
-> 105 gatgcctcct taaatntttg tagccataaa ccattgctag tgtcctntaa attgacagtt 2160
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131 20 25 30
133 His Gly Ser Arg Val Lys Val Arg Met Asp Thr Pro Ser Gly Ile Lys
134 35 40 45
136 Asp Ser Ile Pro Ala Trp Ile Lys Tyr Ser Val Gln Thr Pro Gly Asp
137 50 55 60
139 Ile Pro Tyr Asn Gly Ile Tyr Tyr Asp Pro Pro Glu Glu Glu Lys Tyr
140 65 70 75 80
142 Val Phe Lys His Pro Gln Pro Lys Arg Pro Lys Ser Leu Arg Ile Tyr
143 85 90 95
145 Glu Thr His Val Gly Met Ser Ser Pro Glu Pro Lys Ile Asn Thr Tyr
146 100 105 110
148 Ala Asn Phe Arg Asp Glu Val Leu Pro Arg Ile Lys Arg Leu Gly Tyr
149 115 120 125
151 Asn Ala Val Gln Ile Met Ala Ile Gln Glu His Ser Tyr Tyr Gly Ser
152 130 135 140
154 Phe Gly Tyr His Val Thr Asn Phe Phe Ala Pro Ser Ser Arg Phe Gly
155 145 150 155 160
157 Ser Pro Glu Asp Leu Lys Ser Leu Ile Asp Arg Ala His Glu Leu Gly
158 165 170 175
160 Leu Val Val Leu Met Asp Val Val His Ser His Ala Ser Asn Asn Thr

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RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/786,480A

TIME: 15:38:17

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Output Set: N:\CRF3\05142002\I786480A.raw

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167		210		215		220
169	Tyr Gly Asn Lys Glu	Val Ile Arg Phe Leu Leu	Ser Asn Ala Arg Trp			
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172	Trp Leu Glu Glu Tyr	Lys Phe Asp Gly Phe Arg	Phe Asp Gly Ala Thr			
173		245		250		255
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176		260		265		270
178	Tyr His Glu Tyr Phe	Gly Phe Ala Thr Asp Val	Asp Ala Val Val Tyr			
179		275		280		285
181	Leu Met Leu Met Asn	Asp Leu Ile His Gly Phe	Tyr Pro Glu Ala Val			
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184	Thr Ile Gly Glu Asp	Val Ser Gly Met Pro Thr	Phe Ala Leu Pro Val			
185	305		310		315	320
187	Gln Val Gly Gly Val	Gly Phe Asp Tyr Arg Leu	His Met Ala Val Ala			
188		325		330		335
190	Asp Lys Trp Ile Glu	Leu Leu Lys Gly Asn Asp	Glu Ala Trp Glu Met			
191		340		345		350
193	Gly Asn Ile Val His	Thr Leu Thr Asn Arg Arg	Trp Pro Glu Lys Cys			
194		355		360		365
196	Val Thr Tyr Ala Glu	Ser His Asp Gln Ala Leu	Val Gly Asp Lys Thr			
197		370		375		380
199	Ile Ala Phe Trp Leu	Met Asp Lys Asp Met Tyr	Asp Phe Met Ala Leu			
200	385		390		395	400
202	Asn Gly Pro Ser Thr	Pro Ser Ile Asp Arg Gly	Ile Ala Leu His Lys			
203		405		410		415
205	Met Ile Arg Leu Ile	Thr Met Gly Leu Gly Gly	Glu Gly Tyr Leu Asn			
206		420		425		430
208	Phe Met Gly Asn Glu	Phe Gly His Pro Glu Trp	Ile Asp Phe Pro Arg			
209		435		440		445
211	Gly Pro Gln Val Leu	Pro Thr Gly Lys Phe Ile	Pro Gly Asn Asn Asn			
212		450		455		460
214	Ser Tyr Asp Lys Cys	Arg Arg Arg Phe Asp	Gln Gly Asp Ala Glu Phe			
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RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/786,480A

TIME: 15:38:17

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Output Set: N:\CRF3\05142002\I786480A.raw

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242          610          615          620
244 Ser Tyr Gly Gln Tyr Asn Gln Val Gln Gly Leu Ile Arg Val Cys Phe
245 625          630          635          640
247 Asn Glu Ser Trp Ile Asp Lys Thr Thr Cys Ala Leu Cys Ser Gln Ile
248          645          650          655
250 Pro Arg Ala Leu Trp Arg Lys Asn Ala His Leu Cys Tyr Phe Met Asp
251          660          665          670
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254          675          680          685
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257          690          695          700
--> 259 His Cys Cys Pro Xaa Asn Gln Phe Arg Ile Xaa Val Xaa Leu Leu Tyr
260 705          710          715          720
--> 262 Phe Xaa Phe Asp Ser Thr Val Phe Leu Lys Ser Thr Cys Cys Leu Leu
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268 Lys Lys Lys Lys Lys Asn
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287 atgggaaatg agttcgggca tcctgaatgg atagactttc caagaggccc acaagtactt      180
289 ccaagtggta agttcatccc aggaacacagc aacagttacg acaaatgccg tcgaagattt      240
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307 tttaataagg attttttgct tcaacgagtc ctggatagac aagacaacat gatgttgtgg      780
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RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/786,480A

TIME: 15:38:17

Input Set : A:\MSIB005.ST25.txt

Output Set: N:\CRF3\05142002\I786480A.raw

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378 <222> LOCATION: (802)..(1083)
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RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/09/786,480A

DATE: 05/14/2002
 TIME: 15:38:18

Input Set : A:\MSIB005.ST25.txt
 Output Set: N:\CRF3\05142002\I786480A.raw

EYI

Please Note:

Sequence of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

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 Seq#:3; N Pos. 77,1036
 Seq#:4; N Pos. 201,202,813,815,855,857
 Seq#:5; N Pos. 802,849,865,887,903,911,929,960,982,987,1002,1057,1080,1083
 Seq#:6; N Pos. 763
 Seq#:9; N Pos. 169,216,232,254,270,278,296,327,349,354,369,424,447
 Seq#:10; N Pos. 179,181,221,223
 Seq#:54; Xaa Pos. 6,21,26,30,31,40,41,45,59,61,62,63,64,66,69,70,71,74,75
 Seq#:54; Xaa Pos. 87,90,96,97,98,100,101,105,129,130,132,142,143,159,368
 Seq#:54; Xaa Pos. 457,475,506,511,558,559,701,702,715,723,724,727,734,735
 Seq#:54; Xaa Pos. 741,758,760,763,767,769,770,771,772,773,775,777,778,780
 Seq#:54; Xaa Pos. 781,782,783,784,785,788,790,792,793,794,795,796,797,798
 Seq#:54; Xaa Pos. 799,801,802,803,804,805,806,808,809,810,812,814,816,817
 Seq#:54; Xaa Pos. 818,821,822,823,824,825,826,827,828,829,830,832,833,834
 Seq#:54; Xaa Pos. 835,838,839,840,841,842,844,845,846,847,848,849,852,854
 Seq#:54; Xaa Pos. 855,856,857,860,861,862,863,864,865,866,868,869,870,871
 Seq#:54; Xaa Pos. 872,873,874,875,876,877,878,879,880

Sequence of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
 Sequence of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:37,38,39,40,41,43,44,45,46,47,48,49,50,51

These are the errors